BRUHATH BENGALURU MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

1st and Final Bill

Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000070

Work Order No: BBMP/EE/BTP/WO/137/2020-21 dtd:19.11.2020

Measurement recorded on: 15-02-2021

Sl No	Description	Nos	L	B	D	Qty	Rate / Unit	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and. trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.specification. No. KBS 2.1 (a) / 2.3.1						Cum	
	Qty as per Pre-Measurement recorded vide E-MB 01 is					**644.56**	216.96	139843.74
	Page 1-2							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Ranker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH-100/ Chapter 1						Cum	
	Qty as per Pre-Measurement recorded vide E-MB 13 is					**644.56**	99.00	63811.44
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2						Cum	
	Qty as per Pre-Measurement recorded vide E-MB 03 is					**89.34**	5619.00	502001.46
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with 'super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6						Cum	
	For Raft							
	2nd Cross Balaji Layout Westerten side							
	LHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	20.00	1.00	0.15	3.00	
	RHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	20.00	1.00	0.15	3.00	
	3rd Cross Westernside Balaji Layout							
	LHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	20.00	1.00	0.15	3.00	

36.00

Description	Nos	L	B	D	Qty	Rate / Unit	Amount
RHS	1	30.00	1.00	0.15	4.50		
	1	30.00	1.00	0.15	4.50		
	1	20.00	1.00	0.15	3.00		
3rd Cross Easternside Balaji Layout							
LHS	1	30.00	1.00	0.15	4.50		
	1	30.00	1.00	0.15	4.50		
	1	6.00	1.00	0.15	0.90		
LHS	1	30.00	1.00	0.15	4.50		
	1	30.00	1.00	0.15	4.50		
	1	6.00	1.00	0.15	0.90		
6th Main road Balaji Layout							
LHS	1	30.00	1.00	0.15	4.50		
	1	15.00	1.00	0.15	2.25		
RHS	1	30.00	1.00	0.15	4.50		
	1	15.00	1.00	0.15	2.25		
For Side Walls							
2nd Cross Balaji Layout Westerten side							
LHS	2	30.00	0.15	0.60	5.40		
	2	30.00	0.15	0.60	5.40		
	2	20.00	0.15	0.60	3.60		
RHS	2	30.00	0.15	0.60	5.40		
	2	30.00	0.15	0.60	5.40		
	2	20.00	0.15	0.60	3.60		
3rd Cross Westernside Balaji Layout							
LHS	2	30.00	0.15	0.75	6.75		
	2	30.00	0.15	0.75	6.75		
	2	20.00	0.15	0.75	4.50		
RHS	2	30.00	0.15	0.75	6.75		
	2	30.00	0.15	0.75	6.75		
	2	20.00	0.15	0.75	4.50		
3rd Cross Easternside Balaji Layout							
LHS	2	30.00	0.15	0.75	6.75		
	2	30.00	0.15	0.75	6.75		
	2	6.00	0.15	0.75	1.35		
LHS	2	30.00	0.15	0.75	6.75		
	2	30.00	0.15	0.75	6.75		
	2	6.00	0.15	0.75	1.35		
Cross road							
LHS	2	30.00	0.15	0.60	5.40		
	2	15.00	0.15	0.60	2.70		
RHS	2	30.00	0.15	0.60	5.40		
	2	15.00	0.15	0.60	2.70		
Culverts							
Raft							
6th cross Road eastrenside							
	1	5.00	1.50	0.15	1.13		
6th cross Road Westrenside							
	1	5.10	1.50	0.15	1.15		
4th Cross Westernside Balaji Layout							
	1	5.20	1.50	0.15	1.17		
4th Cross Easternside Balaji Layout							
	1	5.40	1.50	0.15	1.22		
3rd Cross Easternside Balaji Layout							
	1	5.40	1.50	0.15	1.22		
5th cross Road eastrenside							
	1	5.00	1.50	0.15	1.13		
6th Main road Balaji Layout							
	1	6.50	1.50	0.15	1.46		

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E.E. (BTP. DIV)

	Description	Nos	L	B	D	Qty		Amount
	Culverts							
	Side Wall							
	6th cross Road eastrenside							
		2	5.00	0.20	0.80	1.60		
	6th cross Road Westrenside							
		2	5.10	0.20	0.80	1.63		
	4th Cross Westernside Balaji Layout							
		2	5.20	0.20	0.80	1.66		
	4th Cross Easternside Balaji Layout							
		2	5.40	0.20	0.80	1.73		
	3rd Cross Easternside Balaji Layout							
		2	5.40	0.30	0.90	2.92		
	5th cross Road eastrenside							
		2	5.00	0.20	0.90	1.80		
	6th Main road Balaji Layout							
		2	6.50	0.30	0.90	3.51		
	Culverts Ramp							
	6th cross Road eastrenside							
		2	5.00	0.30	0.15	0.45		
	6th cross Road Westrenside							
		2	5.10	0.30	0.15	0.46		
	4th Cross Westernside Balaji Layout							
		2	5.20	0.30	0.15	0.47		
	4th Cross Easternside Balaji Layout							
		2	5.40	0.30	0.15	0.49		
	3rd Cross Easternside Balaji Layout							
		2	5.40	0.30	0.15	0.49		
	5th cross Road eastrenside							
		2	5.00	0.30	0.15	0.45		
	6th Main road Balaji Layout							
		2	6.50	0.30	0.15	0.59	18.23	
	Total Executed Quantity					**218.69**		
	Limited to Schedule B Quantity					**218.58**	**6232.50**	1362299.85
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2						Sqm	
	Qty as per Pre-Measurement recorded vide E-MB 11 is					**1593.60**	394.00	627878.40
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - do - TMT bars Fe 500						MT	
	Qty as per Pre-Measurement recorded vide E-MB 05 is					**13.11**	78157.70	1024647.45
7	Suuply and fixing precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface, complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials.						Sqm	
	Covering Slabs to drains							
	2nd Cross Balaji Layout Westerten side							

Sl No	Description	Nos	L	B	D	Qty	Rate / Unit	Amount
	LHS	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	24.00	0.90		21.60		
	RHS	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	17.40	0.90		15.66		
	3rd Cross Westernside Balaji Layout							
	LHS	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	24.60	0.90		22.14		
	RHS	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	22.80	0.90		20.52		
	3rd Cross Easternside Balaji Layout							
	LHS	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	9.60	0.90		8.64		
	LHS	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	3.60	0.90		3.24		
	Cross road			0.90				
	LHS	1	30.00	0.90		27.00		
		1	9.00	0.90		8.10		
	RHS	1	30.00	0.90		27.00		
		1	9.60	0.90		8.64		
	Total Executed Quantity					**486.54**		
	Limited to Schedule B Quantity					**484.20**	1997.00	966947.40
8	Suuply and fixing precast reinforced concrete slab 23cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface, complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials.						Sqm	
	Culverts							
	6th cross Road eastrenside							
		1	4.80	1.20		5.76		
	6th cross Road Westrenside							
		1	4.80	1.20		5.76		
	4th Cross Westernside Balaji Layout							
		1	5.40	1.50		8.10		
	4th Cross Easternside Balaji Layout							
		1	5.40	1.50		8.10		
	3rd Cross Easternside Balaji Layout							
		1	5.40	1.20		6.48		
	5th cross Road eastrenside							
		1	4.80	1.50		7.20		
	6th Main road Balaji Layout							
		1	6.60	1.50		9.90		
	Missing & Broken Slabs							
		1	2.40	1.20		2.88		
	Total Executed Quantity					**54.18**		
	Limited to Schedule B Quantity					**54.00**	5076.00	274104.00

Description	Nos	L	B	D	Qty	Rate / Unit	Amount
Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.						Nos	
2nd Cross Balaji Layout Westerten side							
LHS		66			66.00		
		67			67.00		
		44			44.00		
RHS		67			67.00		
		66			66.00		
		44			44.00		
3rd Cross Westernside Balaji Layout							
LHS		65			65.00		
		68			68.00		
		43			43.00		
RHS		65			65.00		
		66			66.00		
		48					
3rd Cross Easternside Balaji Layout							
LHS		63			63.00		
		64			64.00		
		14			14.00		
LHS		67			67.00		
		68			68.00		
		13			13.00		
Cross road							
LHS		67			67.00		
		34			34.00		
RHS		65			65.00		
		32			32.00		
Missing & broken Kerb stone							
6th Main Raod		29			29.00		
		20			20.00		
Total Executed Quantity					**1197.00**		
Limited to Schedule B Quantity					**1195.56**	449.00	536806.44
10 KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.						Sqm	
2nd Cross Balaji Layout Westerten side							
LHS		1	30.00		0.40	12.00	
		1	30.00		0.40	12.00	
		1	20.00		0.40	8.00	
RHS		1	30.00		0.40	12.00	
		1	30.00		0.40	12.00	
		1	20.00		0.40	8.00	
3rd Cross Westernside Balaji Layout							
LHS		1	30.00		0.40	12.00	
		1	30.00		0.40	12.00	
		1	20.00		0.40	8.00	
RHS		1	30.00		0.40	12.00	
		1	30.00		0.40	12.00	
		1	20.00		0.40	8.00	
3rd Cross Easternside Balaji Layout							
LHS		1	30.00		0.40	12.00	

140.00

	Description		Nos	L	B	D	Qty	Rate / Unit	Amount
			1	30.00		0.40	12.00		
			1	6.00		0.40	2.40		
	LHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	6.00		0.40	2.40		
	Cross Road								
	LHS		1	30.00		0.40	12.00		
			1	15.00		0.40	6.00		
	RHS		1	30.00		0.40	12.00		
			1	15.00		0.40	6.00	76.80	
	Total Executed Quantity						216.80		
	Limited to Schedule B Quantity						215.20	223.00	47989.60
11	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8							Sqm	
	2nd Cross Balaji Layout Westerten side								
	LHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	20.00		0.40	8.00		
	RHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	20.00		0.40	8.00		
	3rd Cross Westernside Balaji Layout								
	LHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	20.00		0.40	8.00		
	RHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	20.00		0.40	8.00		
	3rd Cross Easternside Balaji Layout								
	LHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	6.00		0.40	2.40		
	LHS		1	30.00		0.40	12.00		
			1	30.00		0.40	12.00		
			1	6.00		0.40	2.40		
	Cross Road								
	LHS		1	30.00		0.40	12.00		
			1	15.00		0.40	6.00		
	RHS		1	30.00		0.40	12.00		
			1	15.00		0.40	6.00		
	Total Executed Quantity						216.80		
	Limited to Schedule B Quantity						215.20	223.00	47989.60
	Sub Total								5594319.37
	Add GST Charges 12%								671318.32
	Grand Total								6265637.70

6265000.00

Contractor

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore